

## ABSTRACT OF THE DISCLOSURE

Disclosed herein is a fan cylinder for a cooling tower, which is configured to prevent the air discharged from the cooling tower from flowing back thereinto. The fan cylinder is fixed to the upper side of the cooling tower, and is configured to mount a cooling fan therein. The fan cylinder comprises a linear portion having a constant inner diameter, and mounted therein with the cooling fan; an inlet portion connected at an upper end thereof to a lower end of the linear portion, and having an inner diameter increasing downwardly; an extension portion connected at a lower end thereof to an upper end of the linear portion; and having an inner diameter increasing upwardly, and an outlet portion connected to an upper end of the extension portion, and having an inner diameter decreasing upwardly.